

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
21 October 2004 (21.10.2004)

PCT

(10) International Publication Number
WO 2004/090719 A2

(51) International Patent Classification⁷: **G06F 9/46**

[FR/FR]; 28, avenue Ledru-Rollin, F-75012 Paris (FR).
GROUZDEV, Vladimir [RU/FR]; 6, rue Alexandre
Bertrand, F-78100 Saint Germain-en-Laye (FR).

(21) International Application Number:
PCT/EP2004/003731

(74) Agents: MUSKER, David, Charles et al.; R.G.C. Jenkins
& Co., 26 Caxton Street, London SW1H 0RJ (GB).

(22) International Filing Date: 7 April 2004 (07.04.2004)

(25) Filing Language: English

(81) Designated States (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(26) Publication Language: English

(30) Priority Data:
03290894.9 9 April 2003 (09.04.2003) EP
10/665,352 22 September 2003 (22.09.2003) US

(71) Applicant (*for all designated States except US*): JALUNA
SA [FR/FR]; 6, avenue Gustave Eiffel, F-78180 Mon-
tigny-le-Bretonneux (FR).

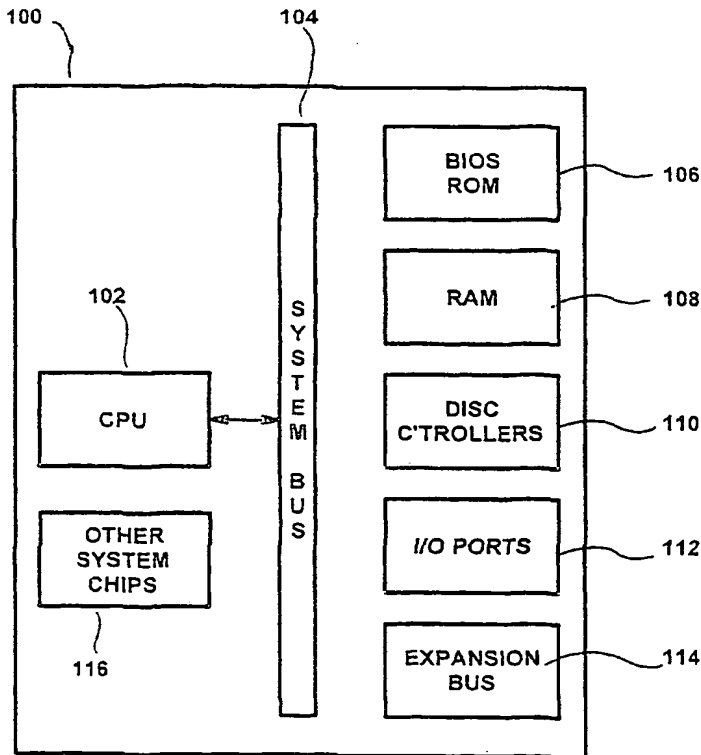
(84) Designated States (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): LESCOUET, Eric

[Continued on next page]

(54) Title: OPERATING SYSTEMS



(57) Abstract: A method of enabling multiple different operating systems to run concurrently on the same computer, comprising selecting a first operating system to have a relatively high priority (the realtime operating system, such as C5); selecting at least one secondary operating system to have a relatively lower priority (the general purpose operating system, such as Linux); providing a common program (a hardware resource dispatcher similar to a nanokernel) arranged to switch between said operating systems under predetermined conditions; and providing modifications to said first and second operating systems to allow them to be controlled by said common program.

WO 2004/090719 A2



Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

- *without international search report and to be republished upon receipt of that report*